LABKOVSKIY, YA. M.

USSR/Physics

Oct 48

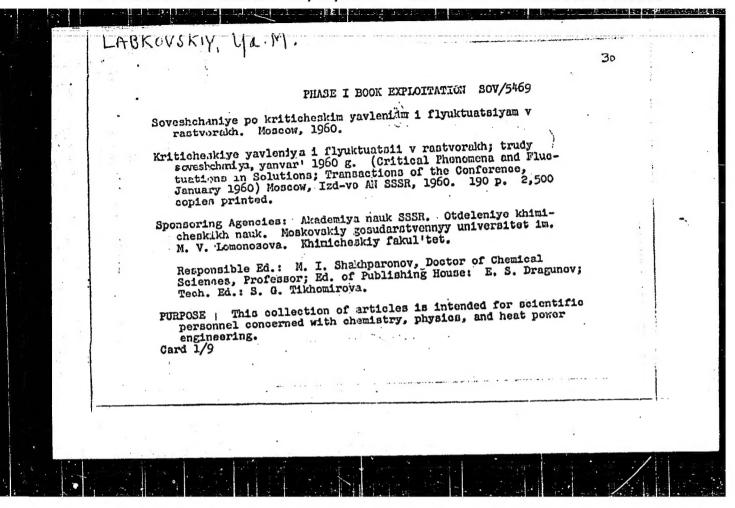
Liquids, Supercooled Crystallization

"The Formation of Centers of Crystallization in Supercooled Liquids," V. I. Danilov, O. D. Kozachkovskiy, Ya. M. Labkovskiy, Inst of Metallophys, TaNII of Ferrous Metal, 6 3/4 pp

"Zhur Eksper i Teoret Fiz" Vol XVIII, No 10

Investigates process of activating impurities in salol. Discusses experimental relationships from standpoint of formation of molecular contact between two solids. Submitted 10 Apr 48/

PA 19/49T103



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Critical Phenomena and Fluctuations COVFRACE; The book contains 24 of the 26 reports Conference on Critical Phenomena and Fluctuats Conference on Critical Phenomena and Fluctuats Conference on Critical Division of Eoscow Organized by the Chemical Division of Eoscow January 26-28, 1960. The reports contain res gations carried out in recent years by Soviet chemists, and heat power engineers. The Orga of the Conference was composed of Professor K A. Z. Golik, I. R. Krichevskiy (Chairman), V. A. V. Storonkin, I. Z. Fisher, and M. I. Shak Chairman). References accompany individual a TABLE OF CONTENTS: Foreword Amirkhanov, Kh. I., A. M. Kerimov, and B. G. Al oratoriya molekulyarnoy fiziki, Dagostanskiy fi Laboratory of Molecular Physics, Dagestan Branc Thermophysical Properties of Matter at Critical Card 2/9	ulta of investi- physicists, mizing Committee n. I. Amirkhanov, K. Semenchenko, chparonov (Deputy articles. 3 ibekov [Lab- lial AN SSSR b. AS USSR]	

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LABKOVSKIY, YA. M.

27593. DANILOV, V. I., KOZACHKOVSKIY, O. D. i LABKOVSKIY, YA. M. Aktivatsiya primesey v salole. /Voprosy Kristallizatsii./ V sb: Problemy metallovedeniya i fiziki metallov m., 1949, s. 70-79.

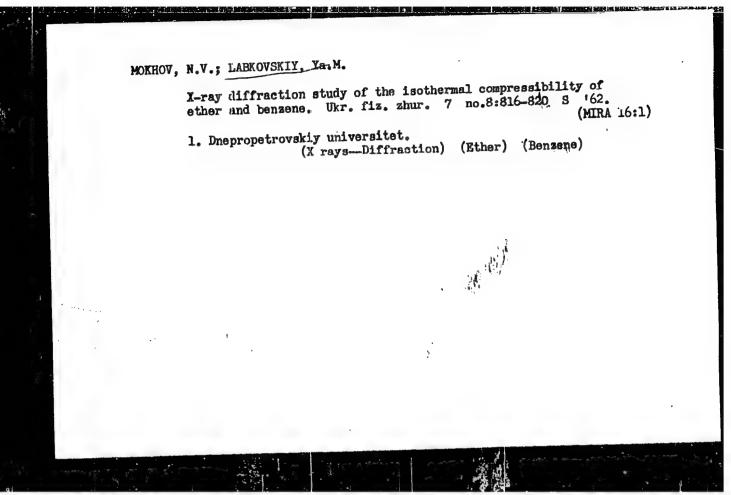
SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

DANILOV, V.I.; KOZACHKOVSKIY, O.D., kand.fiz.-mat.nauk; LABKOVSKIY, Ya.M.

Activation of impurities in salol. Probl.metalloved.i fiz. met.
no.[1]:70-79 '49.

1. Laboratoriya kristallizatsii TSentral'nogo nauchno-isslefovatel'skogo
instituta chernoy metallurgii. 2. Ghlen-korrespondent AN USSR (for
Danilov).

(Salol) (Activity coefficients)



MOKHOV, H.V.; LABKOVSKIY, Ya. H.

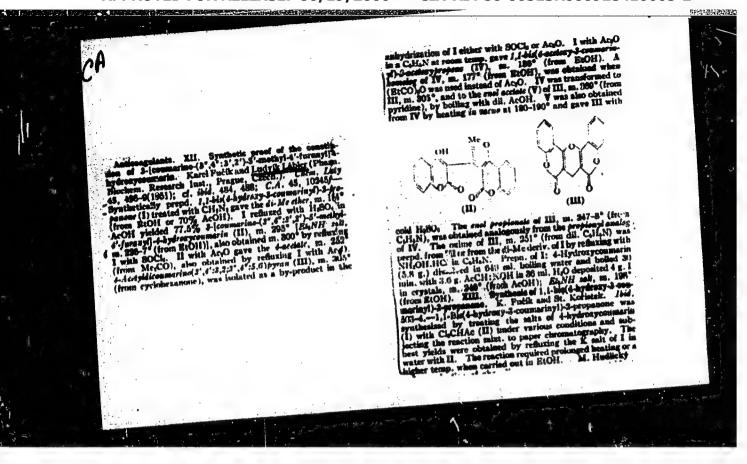
Fluctuant formations in other and benzene and their variation with temperature. Ukr. fiz. zhur. 9 no.5:465-470 by 164.

1. Dnepropetrovskiy gosudarstvennyy universitet.

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Electrodeposition of zinc from acid ammonium chloride electrolytes. Vestis Latv ak no.2:123-128 '60. (EEAI 10:1)

1. Akademiya nauk Latviyskoy SSR, Institut khimii.
(Zinc) (Amonium chloride) (Electrolytes)



SORM, F.; LABLER, L.; GERNY, V.

Steroids. Part 6. 3-dimethyloamino derivatives of steroids [in Russian with summary in English]. Sbor. Chekh.khim.rab. 18 no.6:842-853 D '53. (MLRA 7:6) summary in English]. Steroids [in Russian with summary in English]. Department of Hatural Products, Institute of Organic Chemistry, Grechoslovak Academy of Science, Prague. (Steroids)

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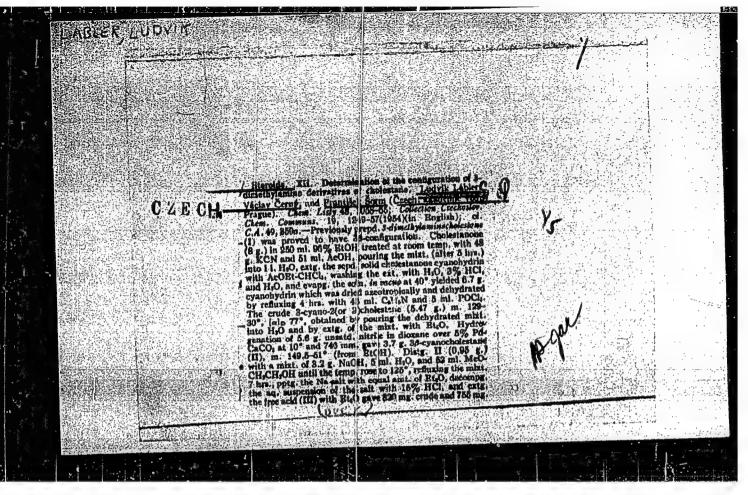
SORM, F., LABLER, L., CERNY, V.

"Steroids. Part 6. Steroid 3-Dinethyla-Mino-Derivatives," p. 418.

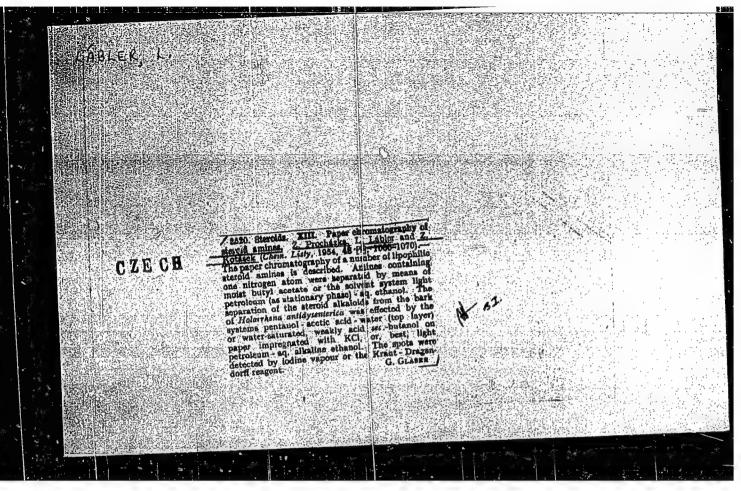
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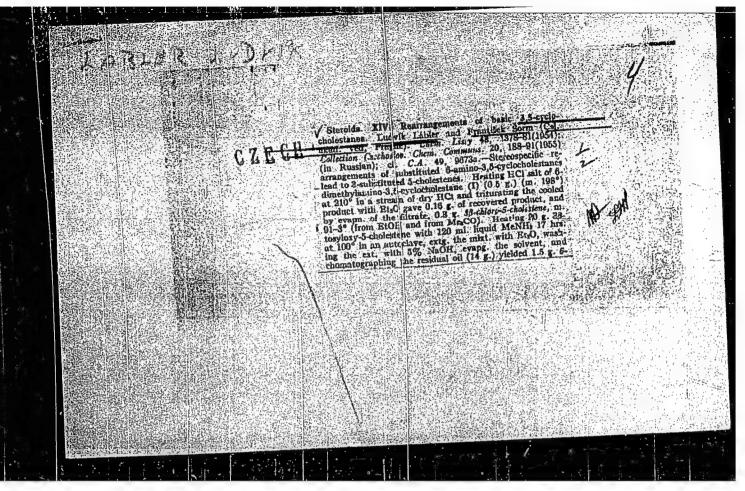
SO: Monthly List of East European Accessions, Vol.2, No.9, Library of Congress, September 1953, Uncl.

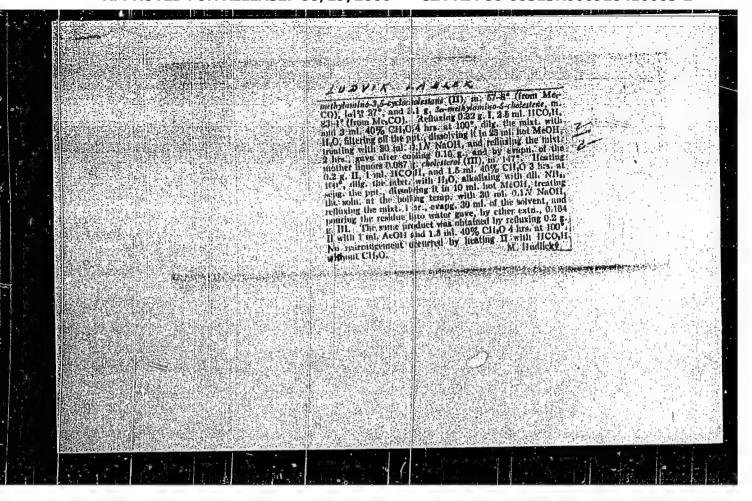
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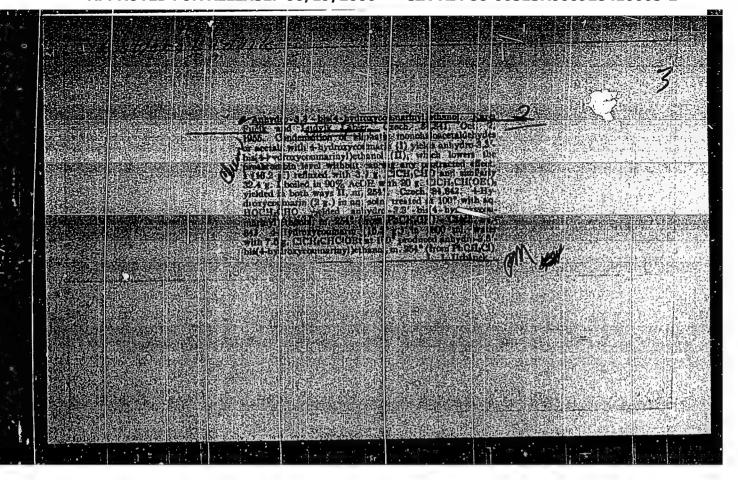
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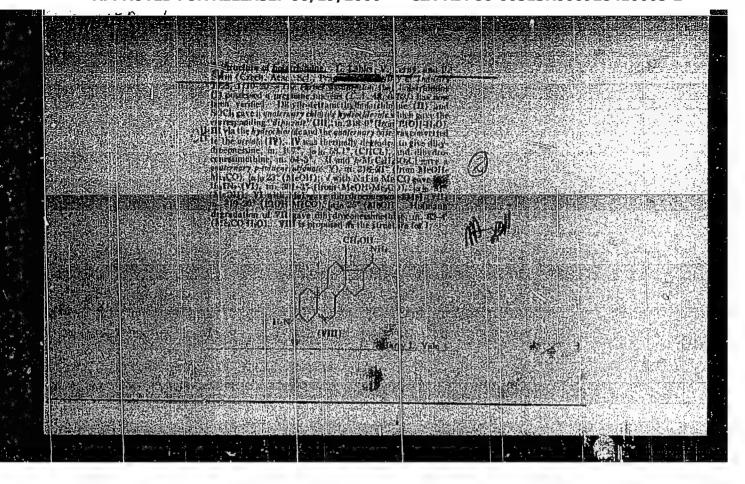




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LABLER, L.; SORM, F.

Steroids. XIV. Rearrangement of basic 3, 5-cyclocholestanes. In Russian. p. 188

Vol. 20. no. 1, Feb. 1955 SBORNIK CHEKHOSLOVATSKIKH KHIMICHESKIKH RABOT Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, April 1956

LUDOVÍK LABLER,

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances E-3 and Their Synthetic Analogues.

Ref Zhur - Khimiya, No. 8, 1957, 26968. Abs Jour:

Labler, Ludevík, Černý, Václav; Šorm, Františch, Author :

Inst XIX. Proof of Structural Connection Steroids. Title

between Holarrhimine and Conessine.

Sb. chekhesl. khim. rabot, 1955, 20, No. 6, 1484 - 1489; Chem. listy, 1955, 49, No. 9, 1389 - 1394. Orig Pub:

Abstract:

It was shown by the conversion of dihydrotetra-methylholarrhimine (I) into derivatives of co-nessine that helarrhimine (III) has a steriod skeleton with a 3 6-amino group. This experi-mentally proved the assumption (see Siddiqui S., Pres. Ind. Acad., 1936, A3, 249; RZhKhim, 1954,

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CZECHOSLOVAKIA/Organic Chemistry. Natural Substances E-3 and Their Synthetic Analogues.

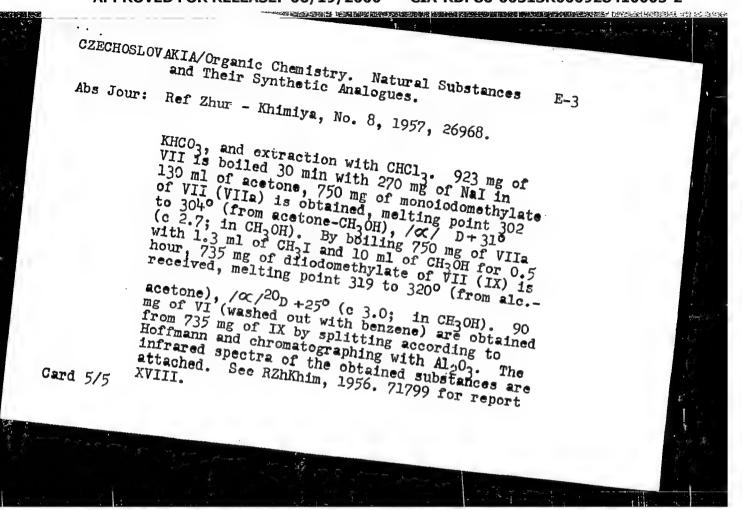
Abs Jour: Ref Zhur - Khimiya, No. 8, 1957, 26968

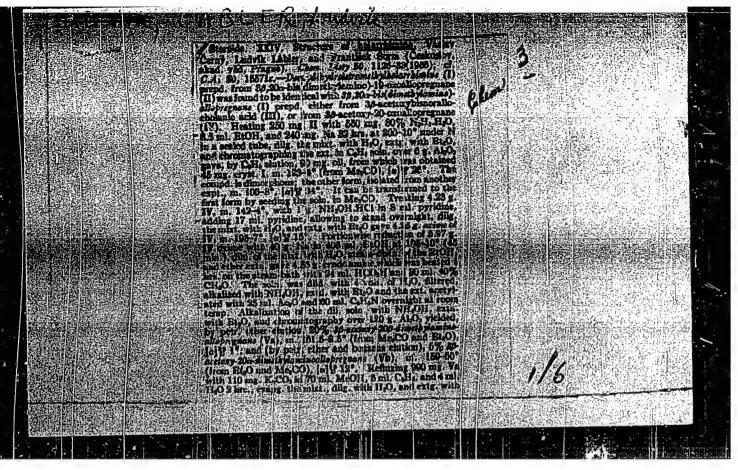
benzene extracts 164 mg of 5,6-dihydroconessimethine (VI), melting point 64 to 65° (from aqu. acetone), and ether extracts 155 mg of dihydroconessine (VII), melting point 107° (from ace-

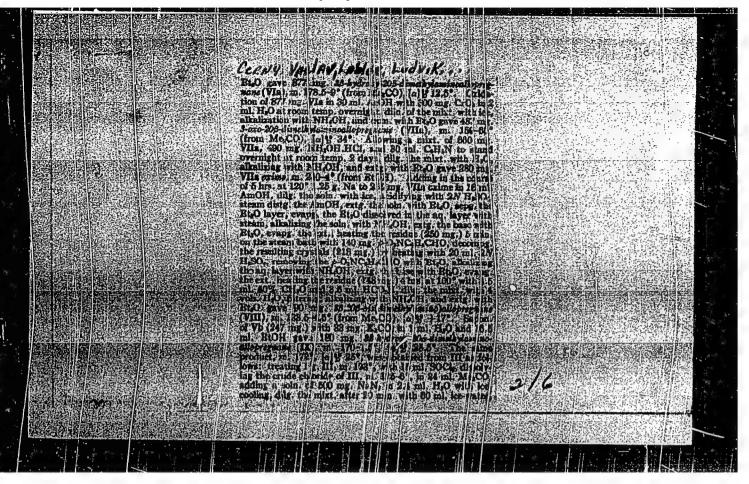
tone), $/\alpha/^{20}D + 51.8^{\circ}$ (c 3.3, in chlorof.). 805 mg of n-toluene sulfonate of monomethyldihydroconessine (VIII), melting point 218 to 221

(from acetone-CH₃OH), $/\alpha/^{20}D + 23^{\circ}$ (c 2.6; in CH₃OH, is obtained after leaving 1 g of 1 staying in 80 ml of pyridine with 490 mg of n-toluenesulforchloride for 12 hours, following evaporation in vacuum until dry, neutralization of the aqueous solution of the residue with 500 mg of

Card 4/5







CZECFOSLOVAKIA/Organic Chemistry. Natural Products and Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81782.

Author : Labler L., Cerny V.

Inst Title

: Steroids. XXXIII. Holarredine, a New Alkaloid from the

Bark of the Holarrhena Antidysenterica Wall.

Orig Pub: Chem. listy, 1957, 51, No 12, 2344-2350.

Abstract: By the investigation of holarremine C2, H3, ON, (I),

the authors have developed a modified method for isolating alkaloids, by the help of which method it was possible to detect in the bark of Holarrhena antidysenterica in addition to I, N, N, N', N'-tetramethyl-I and conessin, a new alkaloid named

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CZECHOSLCVAKIA/Organic Chemistry. Natural Products and Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khim., No 24, 81782.

by the authors as holarredine C. H.360N. (II). II does not contain the N-methyl and the CH30 - groups and it has one double bond. The bark (10 kg) was extracted twice with 30 liters of alcohol containing 3 liters of concentrated ammonia, the extract was acidified with 30% sulfuric acid in the presence of ice, it was condensed, washed with chloroform, and made alkaline with 20% NAOH, and the basic compounds were then extracted with ether. By the concentration 139 grams of crude bases were obtained, which were then agitated with one liter of petroleum ether for 8 hours. The insoluble part (A) was a powder-like compound weighing 31 grams. The solution after concentration gave 107 grams of oil (B). After 15 minutes of boiling

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CZECHOSLCVAKIA/Crganic Chemistry. Natural Products and Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81782.

with n-NC.C.H.CHO in alcohol, part A gave N,N'-bis-(p-nitrobenzylidine)-I, m.p. 275 C. (the mother liquor B) which upon boiling with 2N sulfuric acid and by boiling the separated product with alcohol gave the sulfate of I, n.p. 335 C. The base was separated by the action of ammonia, extracted with chloroform, afterwards with HClO4 (from chloroform), precipitated with alkali and extracted with ether. Only 0.028% of I was obtained (calculated in respect to the dry bark), m.p. 185-186°C. (from ether), a job D-11°(c 3.9; chloroform): monopicrate m.p. 240-242°C.; dipicrate C22H440/4N2.H.O, m.p. 148-153°C.; the tetramethyl derivative was identical with the following compounds: 0-benzoyl-N,N,N',N'-tetramethylhol-

Card : 3/6

CZECHCSLOVAKIA/Organic Chemistry. Natural Products and Their

G-3

Abs Jour: Ref Zhur-Khin., No 24, 1958, 81782.

Synthetic Analogues.

arrymine, m.p. 173-174°C.; O-acetyl-N, N, N', N'-tetramethylholarrymine, m.p. 139-140°C. by boiling for 2 hours with methanol solution of NaOH, gives the tetramethyl I. After concentration of the mother liquors B, the remainder was dissolved in chloroform, the base was separated with ammonia and was extracted with chloroform. Within the help of cinnamic acid in alcohol, the salt was precipitated, from which the base was again separated by the action of ammonia, which base was again purified with the help of the salt of cinnamic acid. After separation by the action of ammonia, extraction with chloroform, concentration by evaporation and crystallization from a mixture of tetrahydrofuran - water, II was obtained, yield 0.026%,

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CZECHOSLOVAKIA/Organic Chemistry. Natural Products and Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81782.

m.p. 181-182 C, D-23. The N, N, N'N'-tetramethyl-II C, Ha, ON, n.p. 163-164 C. A A D-34 (c 1.97; chloroforn) was synthesized by heating II with formic acid and formaldehyde on water bath for 4 hours. In the same way part B was methylated, the product was washed with acetone, mixed with petroleum ether and filtered by suction. After crystallization from alcohol, the insoluble part gave N, N, N', N'-tetramethyl-I, C25H44ON2, n.p. 227-228°C. (1) D-34 (c 3.7; chloroform), yield 0.36%; the product is identical with the synthetic one. Camessine was obtained from the petroleum ether solution upon concentration and

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CZECHOSLOVAKIA/Organic Chemistry. Natural Products and Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81782.

crystallization from acetone, m.p. 124-125°C., L. D+ 26° (c 3.3; alcohol), yield 0.4%. Communication XXXII, see R. Zh Khim., 1958, 64602.

card : 6/6

54

. CZECHOSLOVAKIA/Organic Chemistry. Natural Products and Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81783

Author : Cerny V., Labler L., Sorm F.

: The Steroids XXXIV. The Structure of Holarrhedine Inst Title

Orig Pub: Chem. listy, 1957, 51, No 12, 2351-2355.

Abstract: The authors have suggested a structural formula 3% 20 A -diamino-18-oxy- A -pregnen for holarrhydine (I) based on the results of thermal splitting and leading to the products which were identical with the products of the splitting of holarrhymine (II), based on the difference of corresponding desoxitetremethyl derivatives of I

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CZECHOSLOVAKIA/Organic Chemistry. Natural Products and Their Synthetic Analogues

6−3

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81783.

and II, and on the difference of the molecular rotation between I and II, which corresponds to the difference between 3 -amino- \(\) -steroid and \(\) -epimer. N, N, N', N'-tetramethyl holarrhymine \(\) (III) was allowed to stand in aqueous acetic acid and \(\) (III) was allowed to stand in aqueous acetic acid and \(\) (III) was allowed to stand in aqueous acetic acid and \(\) (III) was allowed to stand in aqueous acetic acid and \(\) (III) was allowed to pregnenal-18 \(\) (25H420N2 sepadimethylamino- \(\) -pregnenal-18 \(\) (N) \(\) (N) + 8', which by heating for 3 hours with N.H_f.H₂O and KOH in triethylene glycol to 200-215 C. produced 3 \(\) 3 \(\), 200(-bis-dimethylamino- \(\) -pregnen, m.p. 140-141 C., \(\) (IIII) \(\) (IV) was obtained 3 \(\) (X \(\), 20\(\) tis-dimethylamino-tramethyl-I (IV) was obtained 3 \(\) (X \(\), 20\(\) tis-dimethylamino-tramethyl-I (IV) was obtained 3 \(\) (X \(\), 20\(\) tis-dimethylamino-tramethyl-I (IV) was obtained 3 \(\) (X \(\), 20\(\) tis-dimethylamino-tramethyl-I (IV) was obtained 3 \(\) (X \(\), \(\), \(\) (X \(\)) P + 12',

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CZECHOSLCVAKIA/Organic Chemistry. Natural Products and Their Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81783.

(c 27)., IR spectrum 1714, 2710 cm From the later product was synthesized 3(1, 201), -dimethylamin- of -pregnen, m.p. 148-149°5 C., (1) D - 31° (c 2.6). The thermal splitting of III and IV was carried out basically according to the same method: by heating with CH₃I in alcohol, with concentration, dissolving in water addition of Ag₂O, filtration concentration and heating for 7 minutes up to 195-200°C. The product was dissolved in ether, washed with water, and the ether layer was extracted with 5% HCl. From the ether layer was obtained of -pregnedienoxide-18, 20, C₂₁H₃₀O, m p. 97-98°C. (2) D -150° (c 1.5). From the acidified part was obtained 18-oxy-20-(1-dimethylamin- of -pregnedien C₂₁H₃₀ON, m.p. 129-130 C.,

Card : 3/4

Steroids. LLIV. 36, 18-dihydroxy-54-pregnang-20-one (18-20 cyclo-hemicotal) from nolarrhimine. In English. oll. Gz. Chem. 24 no.9; (EEAI 9:5)

2975-2985 S '59.

1. Department of Matural Products, Institute of Chemistry, Gzechoslovak Academy of Science, Prague.

(Steroids) (Dihydroxypregnanone) (Holarrhimine)

Steroids. KLVI. Partial synthesis of 3,3,20-trimethoxy-18,20epoxy-5 & - pregnane from dihydroholarrhisine. KLVII. Partial
epoxy-5 & - pregnane-3 - OL-20-one from
synthesis of 18-bensoylamino-5 - pregnane-3 - OL-20-one from
conessine. Coll Cs chem 25 no.12;4010-4021 '59. (ERI 9:6)

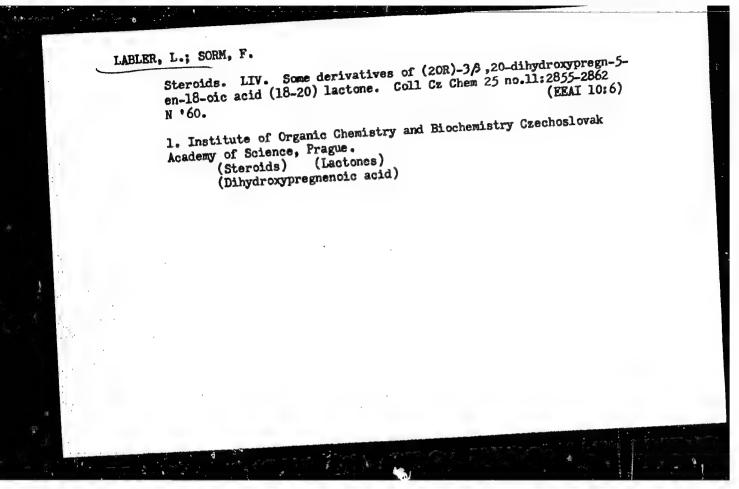
1. Department of Matural Products, Institute of Chemistry,
Czechoslowak Academy of Science, Frague.
(Steroids) (Methoxy group) (Holarrhimine)
(Apoxypregnane) (Amino group) (Pregnanone)
(Conessine) (Benzoyl group)

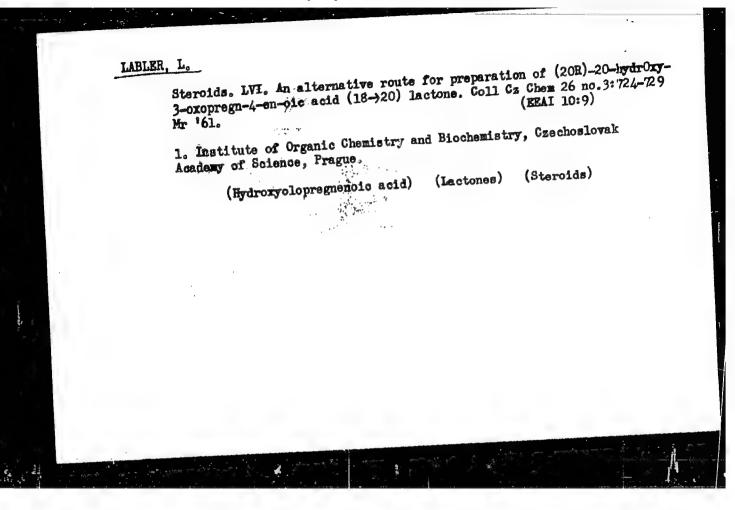
LABLER, L.; SORM, F.

Steroids. XLIII. Partial synthesis of 18-hydroxyprogesterone from holarrhimine. Coll Cz Chem 25 no.1:265-269 Ja '60. (KEAI 9:12)

1. Department of Natural Products, Institute of Chemistry,
Czechoslovak Academy of Science, Prague.

(Steroids) (Hydroxyprogesterone) (Holarrhimine)





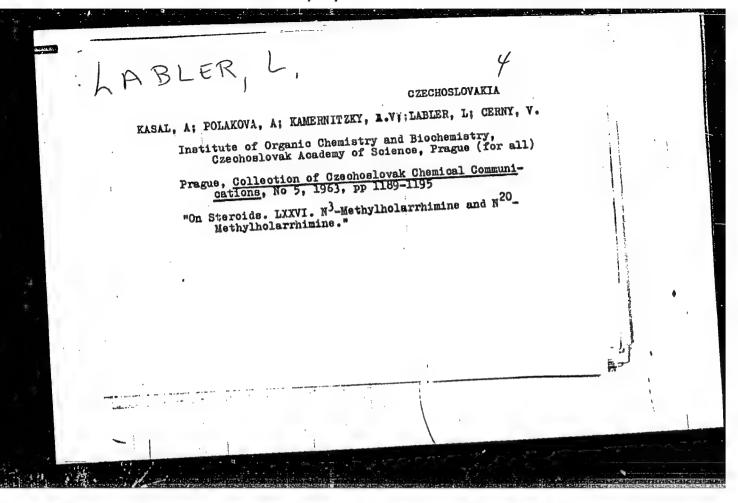
CERNY, V.; JOSKA, J.; LABLER, L.

4

On steroids. LIX. Application of thin layer chromatography without binder for rapid analytical and preparative separation of steroids. Coll Cz chem 26 no.6:1658-1668 Je 161.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Science, Prague.

(Steroids) (Chromatography)



CZECHOSLOVAKIA

LABLER, L.

Institute of Organic Chemistry and Biochemistry of the Czechoslovak Academy of Sciences, Prague

Prague, Collection of Czechoslovak Chemical Communications, No 6, 1963, pp 1579-1583

"On Steroids. LXXVII. Some (20S)-5 Alpha-Pregnan-18,20-Oxides."

CZECHOSLOVAZIA

LABLER, L; HORA, J; CERNY, V.

Institute of Organic Chemistry and Biochemistry of the Czecheslovak Academy of Sciences, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 8, 1963, pp 2015-2020

"On Steroids. OXXIX. Synthesis of 3-alpha Dimethylaminoconan-5-ene. Corroboration of the Structure of Holarrhidine."

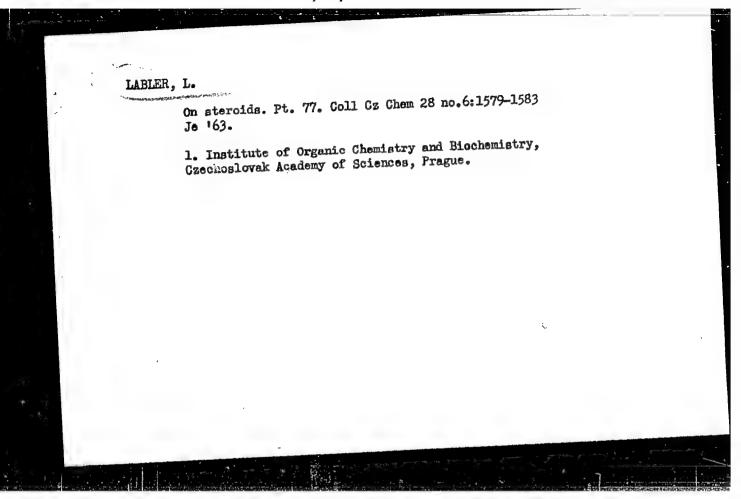
CZECHOSLOVAKIA

LABLER, L; SORM, F.

Institute of Organic Chemistry and Biochemistry of the Czecho-slovak Academy of Sciences, Prague (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 9, 1963, pp 2345-2355

"On Steroids. LXXXI. The Structure of Concuressine and of Some Less Polar Alkaloids from Holarrhena antidysenterica Wall."



LABLER, L., HORA, J.; CERNY, V.

On steroids. Pt. 79. Coll Cz Chem 28 no.8:2015-2020 Ag 163.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

FAJKOS, J.; JOSKA, J.: PITHA, J.; SORM, F.; LABLER, L.

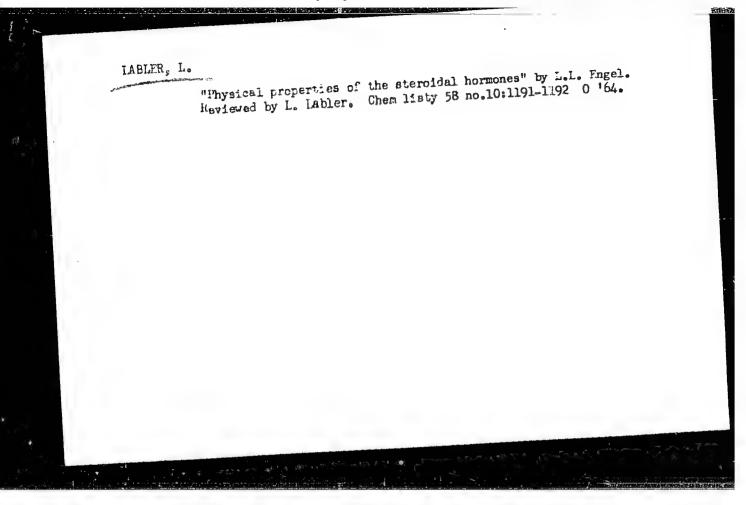
On steroids. Pts. Coll Cz Chem 28 no.9:2337-2355 S '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences. Prague.

LABLER, L.; CERNY, V.

On steroids. Pt 84. Coll Cz Chem 28 no.11:2932-2940 K:63.

1. Institute of Organic Chemistry and Biochemistry, Czecho-slovak Academy of Sciences, Prague.



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CZECHOSLOVAKIA

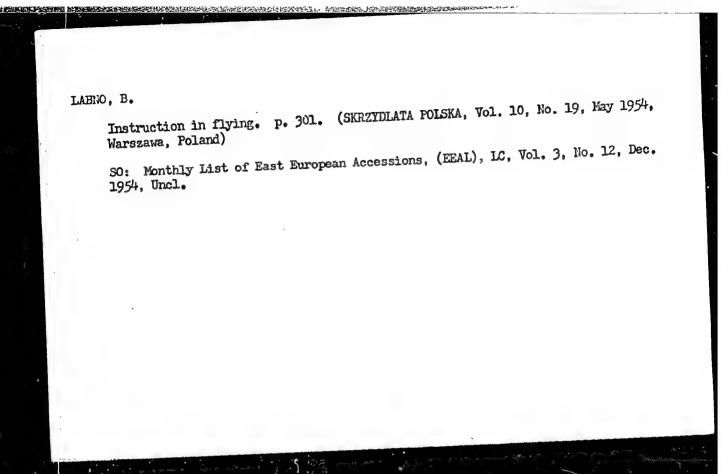
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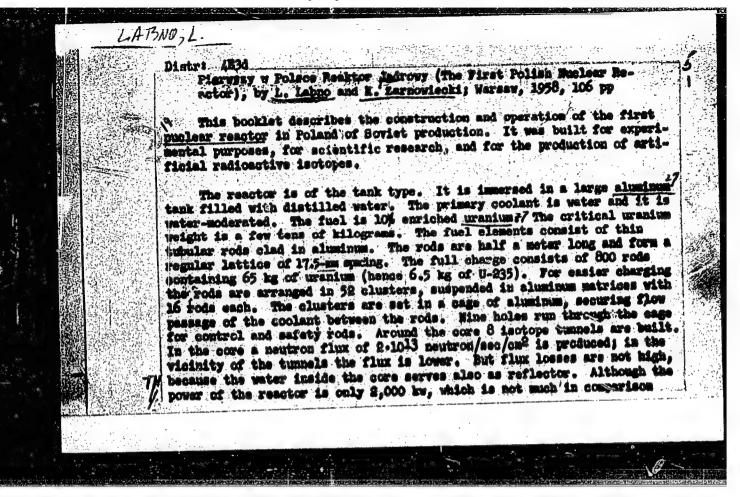
LABLER, L; SAMEK, Z; SMOLIKOVA, J; SORM, F

Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 5, May 1966, pp 2034-2047

"On steroids. Part 97: Isolation and structure of some secondary formed weak bases from Holarrhena antidysehterica."





4. Labro and K. Zarnowiecki

with plutonium producing reactors, the neutron flux of 2.1013 is rather high. This paradox may be explained if we keep in mind that the whole power is released in a volume of 0.1 m3.

ANTI-CONTROL BY ANTI-CONTROL OF THE PROPERTY O

Besides the vertical tunnels for isotope production, nine horizontal experimental channels surround the core radially. They permit the extraction of gamma radiation or neutrons from the core for experimental purposes. These channels are opened or closed by remote control. A tenth channel is a thermal column filled with graphite and intended to provide strong ther-

A water circulation system serves for heat removal from the core. The water heated in the core is sucked out by three pumps of 120 kw power and a flow rate of 1,000 m3/hr. After passing heat exchangers the water is pumped back into the core. In the heat exchanger a second water loop cools the water. The second water loop is cooled in a "parge tank.

The gooling loops keep the water in the core at a temperature of 35°C, while the surface of the fuel elements have a temperature of 90°C. Such a low temperature does not produce deterioration of the fuel elements. To avoid the contamination of water by impurities, the cooling systems, the tubes, the pumps, the exchangers, and valves are made of stainless steel containing about 20% chronium and 10% nickel. The structural material used in the core is aluminum, which is resistant to activation by neutrons

27312

P/046/60/005/011/001/018 D249/D303

26.2244 AUTHORS:

Łabno, Leszek, Dąbek, Wacław, and Byszewski, Witold

TITLE:

Neutron sensitive boron-coated thermopile

PERIODICAL: Nukleonika, v. 5, no. 11, 1960, 685 - 688

TEXT: A description is given of a simple neutron flux detector developed in the Institute of Nuclear Research, of small dimensions. Which consist of a thermopile with the alternate thermoelements coated with B. The detector is insensitive to γ-radiation or changes in the ambient temperature and operates by measuring the heat produced by neutron absorption in the B coating. The thermopile is constructed of 36 chromel-coppel thermoelements, spaced at 20 mm intervals, made of 1 mm wide and 0.02 mm thick strips and welded together under an inert atmosphere with the alternate junctions covered by 1 mm beads of B. The elements are supported on a ceramic base, the junctions being situated coaxially in 3 planes perpendicular to the axis of the thermopile, with equal nose of coated and

Card 1/3

2/312

P/046/60/005/011/001/018 D249/D303

Neutron sensitive boron-coated ...

bare junctions in each plane. The whole assembly is placed in an Al sheath. Only the changes in ambient temperature which occur over ~10 seconds will affect the instrument, since the decay of the output thermoelectric power has been found to have a time constant of 8 secs. Response of the thermopile varies linearly with the power level of the reactor, $(1 \times 10^{11} \text{ mV/n} \cdot \text{cm}^2 \text{ sec})$, up to $\sim 200 \text{ kW}$ which corresponds to $10^{12} \text{ n/cm}^2 \text{ sec}$. Sensitivity diminishes, thereafter, owing to the heating of uncoated junctions becoming, for example, 0.9×10^{-11} mV/n cm² at 2 MW ($\sim 10^{13}$ n/cm² sec). To test the instruments, neutron flux distribution in the 36/14 channel of; the WWR-S reactor was measured by an absolute method using P and compared with the results given by the thermopile detector. Good agreement was obtained and the slight discrepancy is ascribed to the non-linearity of the thermopile. There are 3 figures and 4 references: 1 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: G. Barbares, et al.: AECD - 2485; 1949, and AECD - 2975, 1950; T.R. Herold, Nucleoniks 13. no. 5, 64, 1955; T.A. Jaques, H.A. Ballinger, F. Wade,

Card 2/3

27312

S/046/60/05/011/001/018
Neutron sensitive boron-coated ... S/046/60/205/011/001/018

Proc. IEE, 100, 110, 1953.

ASSOCIATION: Institute of Nuclear Research, Warsaw

SUBMITTED: July 1960

4

Card 3/3

27317 P/046/60/005/011/006/018 D249/D303

24.2723 AUTHORS:

Byszewski, Witold, Aleksandrowicz, Jerzy, and

Labno, Leszek

TITLE:

Temperature measurements of the WWR-S reactor fuel

element wall

PERIODICAL: Nukleonika, v. 5, no. 11, 1960, 727 - 736

TEXT: A method of temperature measurement was developed using chromel-alumel thermocouples attached to the can of a fuel element. The temperature distribution along the fuel element were measured for a range of output power levels. The authors' aim was to investigate the possibility of increasing the power output of the reactor. The rather small dimensions of the fuel rod (10 mm diameter, 2 mm wall thickness) and a large temperature difference between the rod and the water added difficulty to setting up the measurements. Six symmetrical slots, 0.5 mm deep and 0.8 mm wide, were machined on the outside of the jacket to different lengths in order

Card 1/3

27317 P/046/60/005/011/006/018 D249/D303

Temperature measurements of ...

to accomodate the thermocouples. The thermocouples were placed in thin aluminum tubes and pressed into the slots. It was essential to achieve a good thermal contact between the joints of the thermocouples and the aluminum jacket, and for this purpose a special method of soldering was developed, but it was discovered later that fastening with a thin aluminum wire proved more satisfactory. The performance of the arrangement was first tested on a dummy rod with heater placed inside the tube. Two series of measurements were performed inserting the modified fuel element with the attached thermocouples into two different channels of the reactor. The power output of the reactor varied from 0 to 2 kW and the temperatures registered by the six thermocouples were noted, as well as the water temperatures of the external cooling circuit. The measurements were performed at two rates of flow of the cooling water: 960 and 660 m3/hour. It was shown that the temperature difference between the wall of the fuel element and the water is proportional to the power output of the reactor at a constant flow of water; a maximum value observed was 27.4°C, in disagreement with the calcu-

Card 2/3

27317 P/046/60/006/011/006/018 D249/D303

Temperature measurements of ...

lated value of 50°C as supplied by the designers of the reactor. It is stated that in winter conditions the temperature of the jacket of the fuel element is well below the boiling point of water, but in hot weather there is not much room for increasing the output of the reactor. There are 10 figures and 2 tables.

ASSOCIATION: Instytut badan jadrowych, Warszawa, Oddaiak eksploatacji reaktora (Institute of Nuclear Research. Warsaw, Reactor Operation Division)

SUBMITTED: July, 1960

Card 3/3

ACCESSION MR: AP4011800

P/0053/63/000/012/0713/0718

AUTHOR: Labro, Loszek; Dabek, Waolaw; Kazimierski, Adam

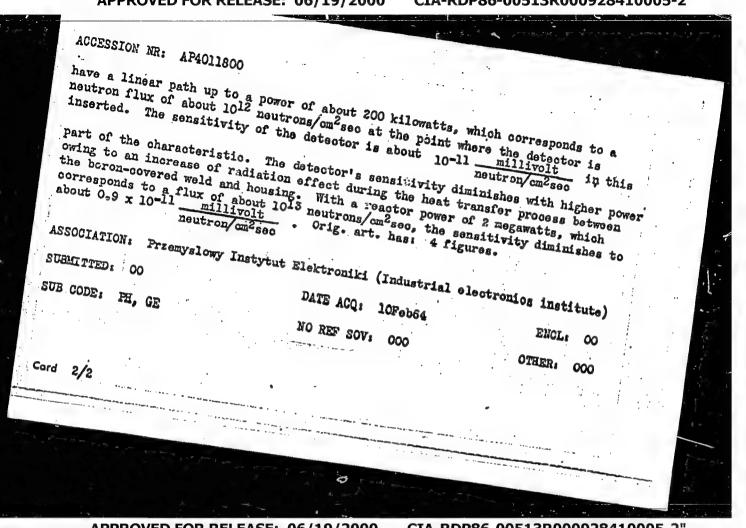
TITLE: Thermoelectric neutron detector

SCURCE: Przeglad elektroniki, no. 12, 1963, 713-716

TOPIC TAGS: detector, neutron detector, thermoelectric neutron detector, thermoelement, thermoelectric couple, chromel-copel thermoelement, chromel-alumeithermoelement;

ABSTRACT: The Polish Institute of Nuclear Research developed and tested a series of thermoelectric detector designs. One model was finally accepted on basis of experimental findings. It consists of 36 chromel-alumel thermoelectric couples which were stamped out of a strip about 0.02 mm thick and about 1 mm wide. The stability of chromel-copel couples was found to be inferior to that of chromel-alumel couples in the presence of a neutron flux. Their corrosion resistance is also inferior to the chromel-alumel couple. This detector produces a signal from 0.1 to 100 millivolts at a neutron flux from 1010 to 1013 neutrons/cm²sec. The static characteristic was tested for this detector. Variations in the thermoelectric forace of a detector containing 18 pairs of chromel-copel thermoelements as a function of reactor power

Card 1/2



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928410005-2"

LARNO, Tadeusz

Attempts at surgical treatment of Perthesa disease. Chir. narzad. ruchu ortop. Pol. 30 no.2:171-176 165.

1. Z Oddzialu Ortopedii Dzieciecej Szpitala Wojewodzkiego w Bydgoszory.

HUNGARY

KRAJCSOVICS, Pal, Jr. Dr. LABODA, Irra, Dr. 1748 Hospital of Paszto, Medicine Department (Pesztoi Jarasi Korbas, Falesztaly)

"Repeated Myocardini Dulanet at age 30."

Budapest, Orvosi Hetilap, Vol 104, No 1, 6 Jan 63, pages 24-25.

Abstract: [Authors' summary] The authors report on two myocardial infarct attacks of a 30 year old male patient. They call attention to the great increase of infarcts among young adults. They stress that in cases of combined complaints of a digestive and stenocardian nature, nyocardial infarct has to be considered in spite of indefinite laborationings in the beginning.

[11 Western, 4 Hungarian references]

1/1

KRAJCSOVICS, Pal, ifj. dr.; LABODA, Irma dr.

Repeated myocardial infarct in a 30-year-old patient. Orv. hetil. 104 no.1:24-25 6 Ja '63.

1. Pasztoi Jarasi Korhaz, Belosztaly.
(MYOCARDIAL INFARCT) (ALCOHOLISM)
(SMOKING)

C NR: AP6025497	(k)/EWP(h)/EWP(l) IJP(c) JD/JG URCE CODE: HU/0012/66/000/003/0085/0088
THOR: Laboda, Sandor-Laboda, Sh. (Gradua	te metallurgical engineer / 50
og: State Mint (Allami Penzvero)	·
TIE: Applications of noble and common met	als for temperature measurement
NURCE: Mares es automatika, no. 3, 1966, 8	35–88
OPIC TAGS: temperature measurement, thermonomic alloy, rhenium containing alloy, osmontaining alloy, tungsten containing alloy, established the thermoelectrical properties of alloys with and without alloyants such as a tungsten, and gold were determined. The subtungsten, and gold were determined the subtungsten of concentrations for thermoelectric was discussed on the basis of the data obtained and the concentrations are subtuned to the data obtained the concentrations.	of platinum/palladium-rhodium rhenium, osmium, molybdenum, itability of various combina- temperature determination ained. The thermal voltages
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BOURCE: Acad	demia scientiarum hungaricae. Acte	chimica, v. 42, no. 3, 1964, 191-2
TOPIC TASS:	electrolysis, steel, motal surfac nt	ce, corrosion rate, corrosion, alter
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ASSOCIATION: Department of Physical Chemistry and Eddiochemistry, L. Ectvoc University, Budapest; Group for Electrochemistry, Department of Physical Chemistry, University of Chemical Industry, Veszprom				
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LABOHY, Ladislav, MUDr; PICK, Jaroslav, MUDr

Acute allergic myocarditis after vaccination against scarlet fever. Cas.lek.cesk. 91 no.12:363-368 21 Mar 52.

Cambrille "

1. Z interniho oddel. statni oblastni nemocnice v Havlickove Brode. Prednosta: MUDr L.Labohy. Z interniho ambulatoria OMP v Chotebori. Prednosta: MUDr J. Pick.

(MYOCARDITIS, allergic, after vacc. against scarlet fever) (SCARLET FRVER, prevention and control,

Vacc., causing allergic myocarditis)
(VACCINES AND VACCINATIONS,

scarlet fever, causing allergic myocarditic)
(ALLERGY.

myocarditis after vacc. against scarlet fever)

LABOHY, Ladislay

OFREN, Vacler, MUDr.; LEBOHY, Ladislay, MUDr.; REAF, Milan, MUDr.

Neurilemnom ventricul: multiplex. Roshl. chir. 35 no.3:159-157

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1. 7 chirungickeho odd. (primar Dr P. Truka, nositel Macu crede) a

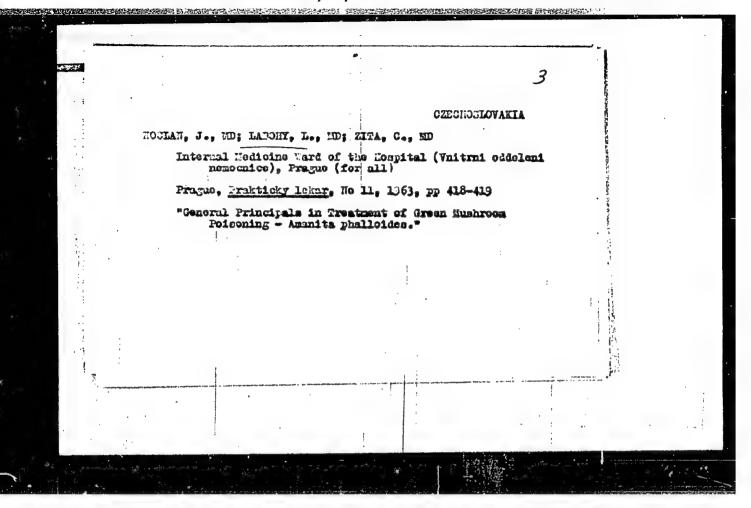
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LABOK, D.M.

Prolonged anesthesia in transatology and orthopedics. Chirurgiia, Hoskva no.3:12-15 Mar 1952. (CIML 22:1)

la Professor, 2. Of the Central Institute of Traumatology and Orthopedics of the Ministry of Public Health USSR (Director -- Prof. N. N. Priorov), Corresponding Member Ams USSR).

LABOK, D.M., prof.

Results of treating spine fractures. Zdrav. Turk. 7 no.11: 11-13 N.63 (MIRA 17:3)

1. Iz kafedry khirurgii, travmatologii i ortopedii fakul'teta usovershenstvovaniya vrachey (zav. - prof. D.M. Labok) Turk-menskogo gosudarstvennogo meditsinskogo instituta.

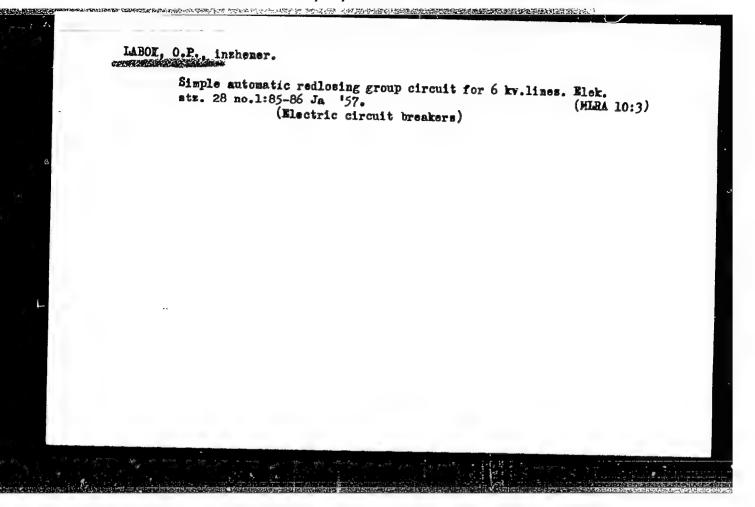
LOKSRIN, Sh.Z.; LABOK, L.Yu.

Displacement of an elastic half plane under the effect of forces at the end distance from the edge. Trudy LKI no.38:109-115 '62.

(MIRA 16:7)

1. Kafedra stroitel'noy mekhaniki korablya Leningradskogo korablestroitel'nogo instituta.

(Deformations (Mechanics))



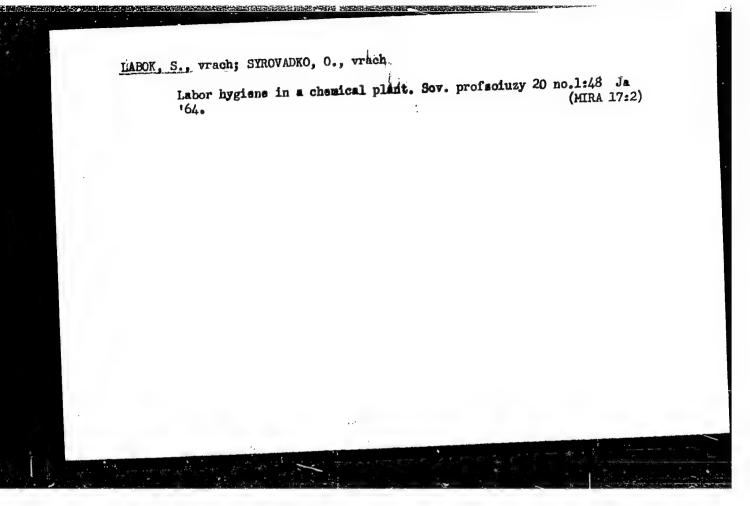


"Labor statistics in industry and construction" by M.V.Daragan,
N.V.Rutkovskaia, B.B.Bronshtein; "Studies on labor statistics" by
IA.D.Kats. Reviewed by P.Labok. Sots. trud 6 no.4:151-154 Ap

(MIRA 16:7)

(Labor and laboring classes—Statistics)

(Daragan, M.V.) (Rutkovskaia, N.V.) (Bronshtein, B.B.) (Kats, IA.D.)



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LABOK, Z.L.

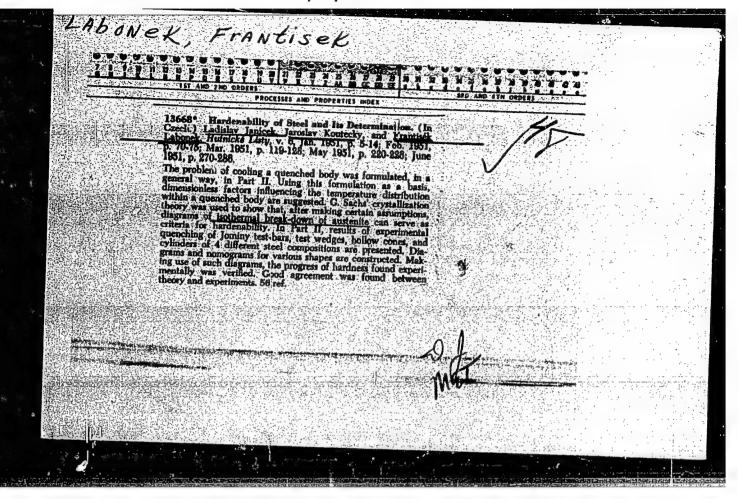
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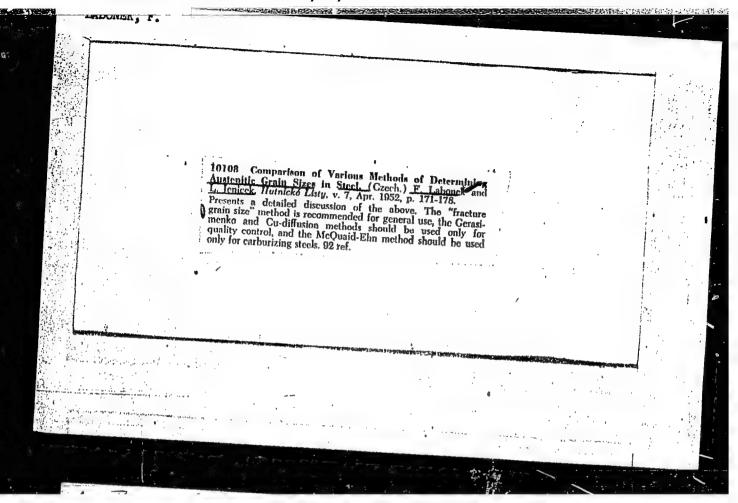
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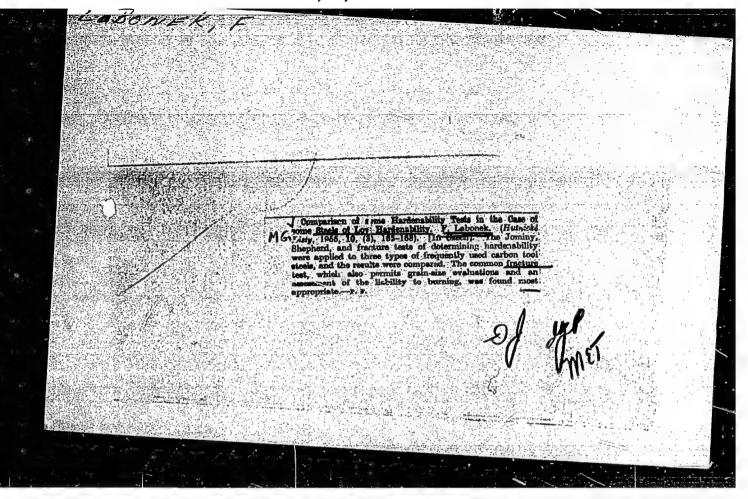
KAVALENKO, K.A.-ustroystvo dlya mekhanicheskoy podachi dosek na tsirkulinuyu pil.-(t. b. monesova. mekharizm dlya vyrabotki steklyannykh ugol'nikov).- sm 4557

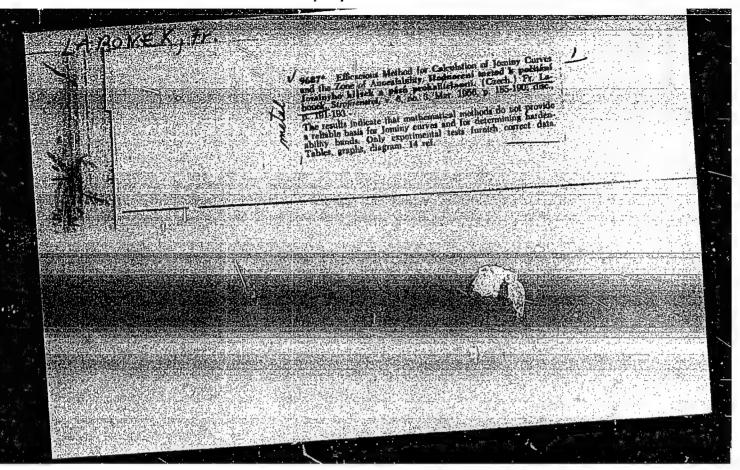
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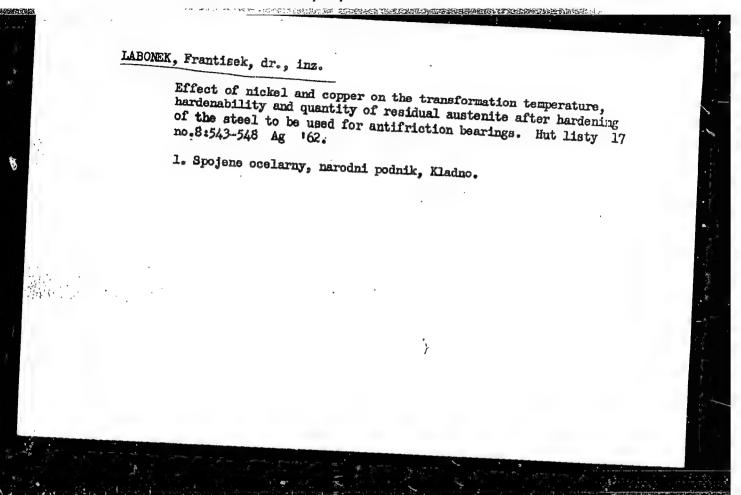


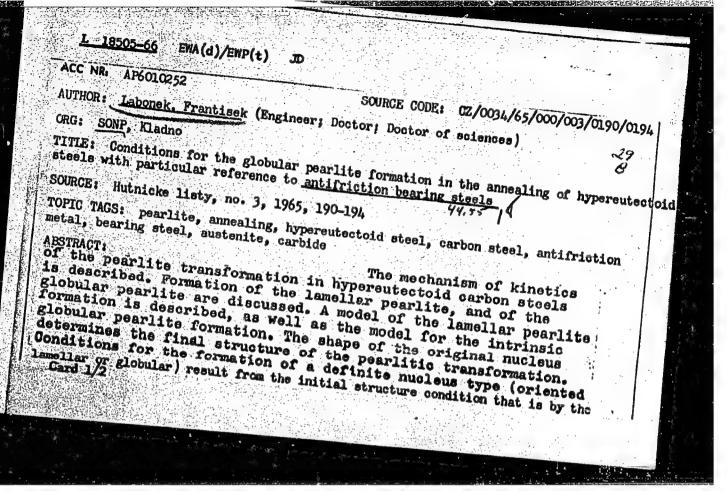


LABONEK, Frantisek, inz., dr.

Improved method of annealing the antifraiction bearing steel with regard to the content of the Ni, cu and Mn. Hut listy 16 no.7:471-475 Jl '61.

1. Spojene ocelarny, narodni podnik, Kladno.





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L 26045-66 T/EWP(t) LJP(c) JD/HW/DJ ACC NR: AP5025474 SOURCE CODE: 02/0065/65/000/004/0333/0360 AUTHOR: Labonek, Frantisek - Labonek, Frantishek ORG: State-Owned United Steel Works, Kladno (Spojene ocelarny, nar. podnik TITLE: Effect of nickel and copper on reactions occurring during appealing of steel for anti-friction bearings SOURCE: Kovove materialy, no. 4, 1965, 333-360 TOPIC TAGS: annealing, steel, nickel, and the life, copper, containing the carbide phase, metalingently, pearlite steel, austenile, metal analysis, antifriction Bearing ABSTRACT: The behavior of the carbide phase was studied during exposure of steel to annealing temperatures, during cooling of steel until austenite is converted into pearlite land during further slow cooling. Four melts containing 1% C, 1.6% Cr, and various amounts of Ni and Cu (0.19 - 1.14%) were heated to 760 ± 200, held at this temperature for 4 hours, cooled in the furnace to <6500 at a rate of 10 ± 50 and then in air. The behavior of the carbide phase (changes in the total volume and surface of the carbide phase and their distances, the process of Card 1/2

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pearlite transformation resulting in the formation of spheroidite) was studied by the quantitative metallographic method. The rate of dissolving the carbide phase and the decrease and growth of carbides were determined. The corresponding energy of the diffusion activation (Q) was determined for a steel containing 0.56% Ni+Cu, where Q = 30,500 cal/g atom. The diffusion rate characterized by the diffusion coefficient (D) was determined as $D = A \cdot e^{-RT}$; where A is a material constant independent of the temperature, R is the gas constant equal to 1.987 cal/g atom, and T is the absolute temperature. The presence of Ni and Cu in steels affected all stages of annealing, and an increase in the amount of Ni and Cu decelerated the processes which occurred during annealing. The presence of Ni and Cu in the amounts studied did not affect the diffusion of C in austenite, but slowed down the diffusion of Cr. This effect increased with an increased amount of Mi and Cu, reflected in a moderate increase in the working process necessary for the formation of nuclei of the carbide phase. During pearlite transformation, the presence of Ni and Cu dissolved in austenite affected both the diffusion, necessary for the distribution of alloy elements (Gr), and a decrease in the rate of the polymorphic transformation $T \rightarrow \alpha$. Together with the Cr, the Ni and Cu increased the working process necessary for the formation of nuclei and the energy of activation of the process. Orig. art. has: 18 formulas, 9 fig. and 6 tables.

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L 26045-66 T/EMP(t) LJP(c) JD/HW/DJ ACC NR: AP5025474 SOURGE CODE: CZ/0065/65/000/004/0333/0360 AUTHOR: Labonek, Frantisek - Labonek, Frantishek ORG: State-Owned United Steel Works, Kladno (Spojene ocelarny, nar. podnik) TITLE: Effect of nickel and copper on reactions occurring during annealing of steel for anti-friction bearings SOURCE: Kovove materialy, no. 4, 1965, 333-360 TOPIC TAGS: annealing, steel, nickel, and the copper, containing the copper, containing the copper, containing the copper, cop carbide phase, metallography, pearlite eteel, austenide, metal analysis andifiction ABSTRACT: The behavior of the carbide phase was studied during exposure of steel to annealing temperatures, during cooling of steel until austenits is converted into pearlite leand during further slow cooling. Four melts containing 1% C, 1.6% Or, and various amounts of Ni and Cu (0.19 - 1.14%) were heated to 760 ± 200, held at this temperature for 4 hours, cooled in the furnace to < 6500 at a rate of 10 ± 50 and then in air. The behavior of the carbide phase (changes in the total volume and surface of the carbide phase and their distances, the process of Card 1/2

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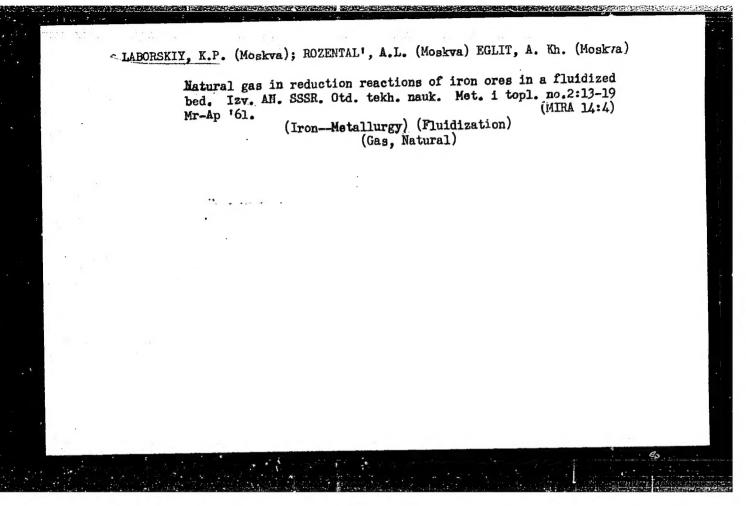
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FEHER, Otto; LABOR, Elemer; MOZSIK, Gyula; SZABO, Tibor

Effect of d-tubocurarine, nicotine and some tropane derivatives on the ganglionic stimulation transmission. Acta physiol Hung 20 no.2:177-186 161.

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Effect of d-tubecurarine, nicotine and individual tropane compounds on the ganglionic transfer of excitation. Acta Physiol. Acad. Sci. Hung. 20 no.2:177-186 '61.

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(CURARE pharmacol) (NICOTINE pharmacol)
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